



Information Disclosure Statement

USN 10/714,528

August 20, 2004

Page 7

Form PTO-1449 (Modified) Page 1 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	GROUP 2832

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
DT	10/786,736	11/04	Schaffner et al.	333	32	2/24/2004
	10/792,411		Sievenpiper	343	700MS	3/2/2004
	10/792,412		Sievenpiper	↓	↓	3/2/2004
	10/836,966		Sievenpiper	343	702	4/30/2004
	10/844,104	12/04	Sievenpiper	343	757	8/11/2004
	2001/0035801 A1	11/2001	Gilbert	333	126	
	2002/0036586 A1	3/2002	Gothard et al.	342	374	
	2003/0122721 A1	7/2003	Sievenpiper	343	767	
	2003/0227351 A1	12/2003	Sievenpiper	333	105	
	3,267,480	8/1966	Lerner	343	911	
	3,560,978	2/1971	Himmel et al.	343	106	
	3,810,183	5/1974	Krutsinger et al.	343	708	
	3,961,333	6/1976	Purinton	343	872	
	4,045,800	8/1977	Tang et al.	343	854	

EXAMINER <i>Kenneth H. Haddad</i>	DATE CONSIDERED <i>2/22/05</i>
--------------------------------------	-----------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement  
 USSN 10/714,528  
 August 20, 2004  
 Page 8

Form PTO-1449 (Modified) Page 2 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	GROUP 2832

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(a) DATE IF APPROPRIATE
DT	4,051,477	9/1977	Murphy et al.	343	700 MS	
	4,119,972	10/1978	Fletcher et al.	343	844	
	4,123,759	10/1978	Hines et al.	<del>343</del>	<del>854</del>	342/374
	4,124,852	11/1978	Steudel	<del>343</del>	<del>854</del>	342/374
	4,127,586	11/1978	Rody et al.	<del>260</del>	<del>300-B</del>	548/260
	4,150,382	11/1979	King	343	754	
	4,173,759	11/1979	Bakhru	<del>343</del>	<del>100</del>	342/382
	4,189,733	2/1980	Malm	<del>343</del>	<del>100 SA</del>	342/368
	4,217,587	8/1980	Jacomini	<del>343</del>	<del>100 SA</del>	342/372
	4,220,954	9/1980	Marchand	<del>343</del>	<del>113 R</del>	342/433
	4,236,158	11/1980	Daniel	<del>343</del>	<del>100 DE</del>	342/380
	4,242,685	12/1980	Sanford	343	770	
	4,266,203	5/1981	Saudreau et al.	333	21 A	
	4,308,541	12/1981	Seidel et al.	343	786	
	4,367,475	1/1983	Schiavone	343	767	
	4,370,659	1/1983	Chu et al.	343	772	
	4,387,377	6/1983	Kandler	343	756	
	4,395,713	7/1983	Nelson et al.	343	713	
	4,443,802	4/1984	Mayes	343	729	
	4,590,478	5/1986	Powers et al.	343	700 MS	

EXAMINER <i>Daniel F. Sievenpiper</i>	DATE CONSIDERED 2/22/05
--	----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement  
 USSN 10/714,528  
 August 20, 2004  
 Page 9

Form PTO-1449 (Modified) Page 3 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	GROUP 2832

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
DT	4,594,595	6/1986	Struckman	343	770	
	4,672,386	6/1987	Wood	343	770	
	4,684,953	8/1987	Hall	343	725	
	4,700,197	10/1987	Milne	343	837	
	4,737,795	4/1988	Nagy et al.	343	712	
	4,749,966	6/1988	Stall et al. Pressett	<del>343</del>	<del>700 MS</del>	333/1.1
	4,760,402	7/1988	Mizuno et al.	343	713	
	4,782,346	11/1988	Sharma	343	795	
	4,803,494	2/1989	Norris et al.	343	770	
	4,821,040	4/1989	Johnson et al.	343	700 MS	
	4,835,541	5/1989	Johnson et al.	343	713	
	4,843,400	6/1989	Tsao et al.	343	700 MS	
	4,843,403	6/1989	Lalezari et al.	343	767	
	4,853,704	8/1989	Diaz et al.	343	767	
	4,903,033	2/1990	Tsao et al.	343	700 MS	
	4,905,014	2/1990	Gonzalez et al.	343	909	
	4,916,457	4/1990	Foy et al.	343	770	
	4,922,263	5/1990	Dubost et al.	343	797	
	4,958,165	9/1990	Axford et al.	343	770	
	5,021,795	6/1991	Masiulis	343	700 MS	

EXAMINER <i>Don Sievenpiper</i>	DATE CONSIDERED <i>2/22/05</i>
------------------------------------	-----------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement

USSN 10/714,528

August 20, 2004

Page 10

Form PTO-1449 (Modified) Page 4 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	GROUP 2832

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
DT	5,023,623	6/1991	Kreinherder et al.	343	725	
	5,070,340	12/1991	Diaz	343	767	
	5,081,466	1/1992	Bitter, Jr.	343	767	
	5,115,217	5/1992	McGrath et al.	333	246	
	5,146,235	9/1992	Frese	343	895	
	5,158,611	10/1992	Ura et al.	106	499	
	5,235,343	8/1993	Audren et al.	343	816	
	5,268,696	12/1993	Buck et al.	342	372	
	5,268,701	12/1993	Smith	343	767	
	5,287,116	2/1994	Iwasaki et al.	343	700 MS	
	5,287,118	2/1994	Budd	343	909	
	5,402,134	3/1995	Miller et al.	343	742	
	5,406,292	4/1995	Schnetzler et al.	343	700 MS	
	5,519,408	5/1996	Schnetzler	343	767	
	5,525,954	6/1996	Komazaki et al.	333	219	
	5,531,018	7/1996	Saia et al.	29	622	
	5,532,709	7/1996	Talty	343	819	
	5,534,877	7/1996	Sorbello et al.	343	700 MS	
	5,541,614	7/1996	Lam et al.	343	792.5	
	5,557,291	9/1996	Chu et al.	343	725	

EXAMINER <i>Don J. Latta</i>	DATE CONSIDERED 2/22/05
---------------------------------	----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement

USSN 10/714,528

August 20, 2004

Page 11

Form PTO-1449 (Modified) Page 5 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	GROUP 2832

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
DT	5,581,266	12/1996	Peng et al.	343	770	
	5,589,845	12/1996	Yandrofski et al.	343	909	
	5,611,940	3/1997	Zettler	73	514.16	
	5,638,946	6/1997	Zavracky	200	181	
	5,644,319	7/1997	Chen et al.	343	702	
	5,694,134	12/1997	Barnes	343	700 MS	
	5,721,194	2/1998	Yandrofski et al.	505	210	
	5,767,807	6/1998	Pritchett	342	374	
	5,808,527	9/1998	De Los Santos	333	205	
	5,874,915	2/1999	Lee et al.	342	375	
	5,892,485	4/1999	Glabe et al.	343	789	
	5,894,288	4/1999	Lee et al.	343	770	
	5,905,465	5/1999	Olson et al.	343	700 MS	
	5,923,303	7/1999	Schwengler et al.	343	853	
	5,926,139	7/1999	Korisch	343	702	
	5,929,819	7/1999	Grinberg	343	754	
	5,943,016	8/1999	Synder, Jr. et al.	343	700 MS	
	5,945,951	8/1999	Monte et al.	343	700 MS	
	5,949,382	9/1999	Quan	343	767	
	5,966,096	10/1999	Brachat	343	700 MS	

EXAMINER <i>Don F. Sievenpiper</i>	DATE CONSIDERED <i>2/22/05</i>
---------------------------------------	-----------------------------------

EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement  
 USSN 10/714,528  
 August 20, 2004  
 Page 12

Form PTO-1449 (Modified) Page 6 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	GROUP 2832

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
DT	5,966,101	10/1999	Haub et al.	343	767	
	6,005,519	12/1999	Burns	343	700 MS	
	6,005,521	12/1999	Suguro et al.	343	700 MS	
	6,008,770	12/1999	Sugawara	343	767	
	6,016,125	1/2000	Johansson	343	702	
	6,028,561	2/2000	Takei	343	767	
	6,034,644	3/2000	Okabe et al.	343	767	
	6,034,655	3/2000	You	345	60	
	6,037,905	3/2000	Koscica et al.	343	701	
	6,040,803	3/2000	Spall	343	700 MS	
	6,046,655	4/2000	Cipolla	333	137	
	6,046,659	4/2000	Loo et al.	333	362	
	6,054,659	4/2000	Lee et al.	200	181	
	6,061,025	5/2000	Jackson et al.	343	700 MS	
	6,075,485	6/2000	Lilly et al.	343	700 MS	
	6,081,235	6/2000	Romanofsky, et al.	343	700 MS	
	6,081,239	6/2000	Sabet et al.	343	753	
	6,097,263	8/2000	Mueller et al.	333	17.1	
	6,097,343	8/2000	Goetz et al.	343	708	
	6,118,406	9/2000	Josypenko	343	700 MS	

EXAMINER <i>Dan Galante</i>	DATE CONSIDERED <i>2/22/05</i>
--------------------------------	-----------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with PPR 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement  
 USSN 10/714,528  
 August 20, 2004  
 Page 13

Form PTO-1449 (Modified) Page 7 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	GROUP 2832

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
DT	6,118,410	9/2000	Nagy	343	713	
	6,127,908	10/2000	Bozler et al.	333	246	
	6,150,989	11/2000	Aubry	343	767	
	6,154,176	11/2000	Fathy et al.	343	700 MS	
	6,166,705	12/2000	Mast et al.	343	853	
	6,175,337 B1	1/2001	Jasper, Jr. et al.	343	770	
	6,175,723 B1	1/2001	Rothwell, III	455	63.	
	6,188,369 B1	2/2001	Okabe et al.	343	767	
	6,191,724 B1	2/2001	McEwan	342	21	
	6,198,438 B1	3/2001	Herd et al.	343	700 MS	
	6,198,441 B1	3/2001	Okabe et al.	343	702	
	6,204,819 B1	3/2001	Hayes et al.	343	702	
	6,218,912 B1	4/2001	Mayer	333	106	
	6,218,997 B1	4/2001	Lindenmeier et al.	343	725	
	6,246,377 B1	6/2001	Aiello et al.	343	700	
	6,252,473 B1	6/2001	Ando	333	105	
	6,285,325 B1	9/2001	Nalbandian et al.	343	700 MS	
	6,307,519 B1	10/2001	Livingston et al.	343	767	
	6,317,095 B1	11/2001	Teshirogi et al.	343	785	
	6,323,826 B1	11/2001	Sievenpiper et al.	343	909	

EXAMINER <i>Dan Taler</i>	DATE CONSIDERED 2/22/05
------------------------------	----------------------------

EXAMINER: Initial is reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement

USSN 10/714,528

August 20, 2004

Page 14

Form PTO-1449 (Modified) Page 8 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	GROUP 2832

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLAS S	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
DT	6,331,257 B1	12/2001	Loo et al.	216	13	
	6,366,254 B1	4/2002	Sievenpiper et al.	343	700 710	
	6,373,349 B2	4/2002	Gilbert	333	126	
	6,380,895 B1	4/2002	Moren et al.	343	700 MS	
	6,388,631 B1	5/2002	Livingston et al.	343	767	
	6,392,610 B1	5/2002	Braun et al.	343	876	
	6,404,390 B2	6/2002	Sheen	343	700 MS	
	6,404,401 B2	6/2002	Gilbert et al.	343	780	
	6,407,719 B1	6/2002	Ohira et al.	343	893	
	6,417,807 B1	7/2002	Hsu et al.	343	700 MS	
	6,426,722 B1	7/2002	Sievenpiper et al.	343	700 MS	
	6,440,767 B1	8/2002	Loo et al.	438	52	
	6,473,362 B1	10/2002	Gabbay	367	119	
	6,483,480 B1	11/2002	Sievenpiper et al.	343	909	
	6,496,155 B1	12/2002	Sievenpiper et al.	343	770	
	6,515,635 B2	2/2003	Chiang et al.	343	834	
	6,518,931 B1	2/2003	Sievenpiper	343	700 710	
	6,538,621 B1	3/2003	Sievenpiper et al.	343	909	
	6,552,696 B1	4/2003	Sievenpiper et al.	343	909	

EXAMINER <i>Dean Talavera</i>	DATE CONSIDERED 2/22/05
----------------------------------	----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 602; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Information Disclosure Statement  
 USSN 10/714,528  
 August 20, 2004  
 Page 15

Form PTO-1449 (Modified) Page 9 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	GROUP 2832

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
DI	196 00 609 A1	4/1997	DE	H01P	1/65	abstract
	0 539 297	4/1993	EP	H01Q	17/00	abstract
	1 158 605 A1	11/2001	EP	H01Q	13/10	
	2 785 476	5/2000	FR	H04B	7/02	abstract
	1,145,208	3/1969	GB	H01H	51/28	
	2 281 662	3/1995	GB	H01Q	13/08	
	2 328 748	3/1999	GB	G01S	13/93	
	61-260702	11/1986	JP	H01Q	3/24	abstract
	94/00891	1/1994	WO	H01Q	15/00	
	96/29621	9/1996	WO	G02B	5/20	
	98/21734	5/1998	WO	H01H	59/00	abstract
	99/50929	10/1999	WO	H01Q	1/38	
	00/44012	7/2000	WO	H01H	1/00	abstract
↓	01/31737	5/2001	WO	H01Q	1/36	

EXAMINER <i>Don Sievers</i>	DATE CONSIDERED 2/22/05
--------------------------------	----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement  
 USSN 10/714,528  
 August 20, 2004  
 Page 16

Form PTO-1449 (Modified) Page 10 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	GROUP 2832

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DT	Balanis, C., "Aperture Antennas," <i>Antenna Theory, Analysis and Design</i> , 2nd Edition, Ch. 12, pp 575-597 (1997).
	Balanis, C., "Microstrip Antennas," <i>Antenna Theory, Analysis and Design</i> , 2nd Edition, Ch. 14, pp 722-736 (1997).
	Bialkowski, M.E., et al., "Electronically Steered Antenna System for the Australian Mobilesat," <i>IEE Proc.-Microw. Antennas Propag.</i> , Vol. 143, No. 4, pp 347-352 (August 1996).
	Bradley, T.W., et al., "Development Of A Voltage-Variable Dielectric (VVD), Electronic Scan Antenna," <i>Radar 97</i> , Publication No. 449, pp. 383-385 (October 1997).
	Chen, P.W., et al., "Planar Double-Layer Leaky Wave Microstrip Antenna," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 50, pp. 832-835 (2002).
	Chen, Q., et al., "FDTD diakoptic design of a slop-loop antenna excited by a coplanar waveguide," <i>Proceedings of the 25th European Microwave Conference 1995</i> , Vol. 2, Conf. 25, pp 815-819 (September 4, 1995).
	Cognard, J., "Alignment of Nematic Liquid Crystals and Their Mixtures," <i>Mol. Cryst. Liq., Cryst. Suppl.</i> 1, pp 1-74 (1982).
	Doane, J.W., et al., "Field Controlled Light Scattering from Nematic Microdroplets," <i>Appl. Phys. Lett.</i> , Vol. 48, pp 269-271 (January 1986).
	Ellis, T.J., et al., "MM-Wave Tapered Slot Antennas on Micromachined Photonic Bandgap Dielectrics," <i>1996 IEEE MTT-S International Microwave Symposium Digest</i> , Vol. 2, pp. 1157-1160 (1996).
	Grbic, A., et al., "Experimental Verification of Backward Wave Radiation From A Negative Refractive Index Metamaterial," <i>Journal of Applied Physics</i> , Vol. 92, No.10, pp. 5930-5935 (November 15, 2002).
	Hu, C.N., et al., "Analysis and Design of Large Leaky-Mode Array Employing The Coupled-Mode Approach," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 49, No. 4, pp. 629-636 (April 2001).
	Jablonski, W., et al., "Microwave Schottky Diode With Beam-Lead Contacts," <i>13th Conference on Microwaves, Radar and Wireless Communications, MIKON-2000</i> , Vol. 2, pp. 678-681 (2000).
	Jensen, M.A., et al., "EM Interaction of Handset Antennas and a Human in Personal Communications," <i>Proceedings of the IEEE</i> , Vol. 83, No. 1, pp 7-17 (January 1995).
✓	Jensen, M.A., et al., "Performance Analysis of Antennas for Hand-held Transceivers Using FDTD," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 42, No. 8, pp 1106-1113 (August 1994).

EXAMINER <i>Thomas J. Sievenpiper</i>	DATE CONSIDERED <i>2/22/05</i>
--	-----------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement  
 USSN 10/714,528  
 August 20, 2004  
 Page 17

Form PTO-1449 (Modified) Page 11 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	GROUP 2832

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DT	Lee, J.W., et al., "TM-Wave Reduction From Grooves In A Dielectric-Covered Ground Plane," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 49, No.1, pp.104-105 (January 2001).
	Linardou, I., et al., "Twin Vivaldi Antenna Fed By Coplanar Waveguide," <i>Electronics Letters</i> , Vol. 33, No. 22, pp 1835-1837 (1997).
	Malherbe, A., et al., "The Compensations of Step Discontinuities in TEM-Mode Transmission Lines," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-26, No.11, pp. 883-885 (November 1978).
	Maruhashi, K., et al., "Design and Performance of a Ka-Band Monolithic Phase Shifter Utilizing Nonresonant PET Switches," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 48, No. 8, pp. 1313-1317 (August 2000).
	Perini, P., et al., "Angle and Space Diversity Comparisons in Different Mobile Radio Environments," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 46, No. 6, pp 764-775 (June 1998).
	Ramo, S., et al., <i>Fields and Waves in Communication Electronics</i> , 3rd Edition, Sections 9.8-9.11, pp 476-487 (1994).
	Rebeiz, G.M., et al., "RF MEMS Switches and Switch Circuits," <i>IEEE Microwave Magazine</i> , pp. 59-71 (December 2001).
	Schaffner, J., et al., "Reconfigurable Aperture Antennas Using RF MEMS Switches for Multi-Octave Tunability and Beam Steering," <i>IEEE Antennas and Propagation Society International Symposium, 2000 Digest</i> , Vol. 1 of 4, pp 321-324 (July 16, 2000).
	Semouchkina, E., et al., "Numerical Modeling and Experimental Study of A Novel Leaky Wave Antenna," <i>Antennas and Propagation Society, IEEE International Symposium</i> , Vol. 4, pp. 234-237 (2001).
	Sievenpiper, D., et al., "Eliminating Surface Currents With Metallodielectric Photonic Crystals," <i>1998 MTT-S International Microwave Symposium Digest</i> , Vol. 2, pp. 663-666 (June 7, 1998).
	Sievenpiper, D., et al., "High-Impedance Electromagnetic Surfaces with a Forbidden Frequency Band," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 47, No. 11, pp 2059-2074 (November 1999).
	Sievenpiper, D., et al., "High-Impedance Electromagnetic Surfaces," <i>Ph.D. Dissertation</i> , Dept. Of Electrical Engineering, University of California, Los Angeles, CA, pp. i-xi, 1-150 (1999).
✓	Sievenpiper, D., et al., "Low-Profile, Four Sector Diversity Antenna On High-Impedance Ground Plane," <i>Electronics Letters</i> , Vol. 36, No. 16, pp. 1343-1345 (August 3, 2000).

EXAMINER <i>David J. Sievenpiper</i>	DATE CONSIDERED 2/22/05
---	----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 602. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement

USSN 10/714,528

August 20, 2004

Page 18

Form PTO-1449 (Modified) Page 12 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	GROUP 2832

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DT	Sor, J., et al., "A Reconfigurable Leaky-Wave/Patch Microstrip Aperture For Phased-Array Applications," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 50, No. 8, pp. 1877-1884 (August 2002).
	Vaughan, Mark J., et al., "InP-Based 28 Ghz Integrated Antennas for Point-to-Multipoint Distribution," <i>Proceedings of the IEEE/Cornell Conference on Advanced Concepts in High Speed Semiconductor Devices and Circuits</i> , pp. 75-84 (1995).
	Vaughan, R., "Spaced Directive Antennas for Mobile Communications by the Fourier Transform Method," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 48, No. 7, pp 1025-1032 (July 2000).
	Wang, C.J., et al., "Two-Dimensional Scanning Leaky Wave Antenna by Utilizing the Phased Array," <i>IEEE Microwave and Wireless Components Letters</i> , Vol. 12, No. 8, pp. 311-313, (August 2002).
	Wu, S.T., et al., "High Birefringence and Wide Nematic Range Bis-Tolane Liquid Crystals," <i>Appl. Phys. Lett.</i> , Vol. 74, No. 5, pp 344-346 (January 18, 1999).
	Yashchyshyn, Y., et al., "The Leaky-Wave Antenna With Ferroelectric Substrate," <i>14th International Conference on Microwaves, Radar and Wireless Communications, MIKON-2002</i> , Vol. 2, pp. 218-221 (2002).
↓	Yang, Hung-Yu David, et al., "Theory of Line-Source Radiation From A Metal-Strip Grating Dielectric-Slab Structure," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 48, No. 4, pp. 556-564 (2000).

EXAMINER <i>Demetrius</i>	DATE CONSIDERED 2/22/05
------------------------------	----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.